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L2 ANSWER 80 OF 105 CAPLUS COPYRIGHT 2003 ACS
AN 1954:17586 CAPLUS
DN 48:17586
OREF 48:3172i,3173a
TI Electrolytic chromium plating
PA N. V. Metallic Industry
DT Patent
LA Unavailable
CC 4 (Electrochemistry)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	NL 73083		19530815	NL	
AB	For electrolytic Cr plating of metals, such as Ni, Fe, and Cu, especially for protection against corrosion, in a bath contg. CrO ₃ , no other inorg. acids but one or more sulfonic acids or salts, preferably contg. one or more OH or NH ₂ groups, are used in the bath in quantities of 1-25 g./l., preferably 3-10 g./l. Thus baths with great covering value or Hull cell range are obtained. Acids or their salts which may be used are sulfanilic acids, 1,2,4-naphthalenetrisulfonic acid, 4-aminonaphthalenesulfonic acid, 1-amino-3,6-naphthalenedisulfonic acid, 1-amino-2-naphthol-4-sulfonic acid. In an example a bath was used contg. 300 g. CrO ₃ /l. and 6 g. 7-amino-1-naphthol-3-sulfonic acid/l. for plating a Ni-plated Fe object at 25.degree.. At a cathodic c.d. of 20 amp./sq. dm. a good-adhering, shining Cr layer was obtained. In the Hull cell a layer 7-8 cm. wide was obtained in 10 min.				
IT	Corrosion (prevention of, Cr plating in)				
IT	Chromium alloys, iron- (Cr electrolytic recovery from, soln. for)				
IT	1,2,4-Naphthalenetrisulfonic acid 1-Naphthol-3-sulfonic acid, 7-amino-2-Naphthol-4-sulfonic acid, 1-amino- (in chromium electroplating)				
IT	7440-02-0, Nickel (chromium electroplating on)				
IT	7440-50-8, Copper (electroplating on, with Cr)				
IT	7440-47-3, Chromium (electroplating with)				
IT	7440-47-3, Chromium (electroplating with, baths or solns. for)				
IT	84-86-6, Naphthionic acid	121-57-3, Sulfanilic acid	6251-07-6, 2,7-Naphthalenedisulfonic acid, 4-amino- (in chromium electroplating)		

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